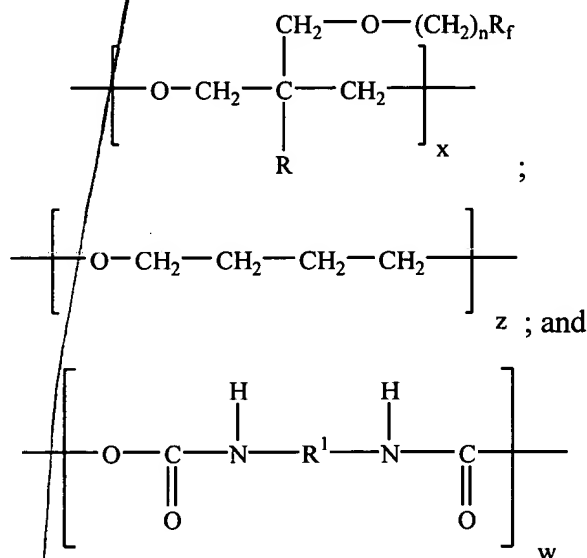


IN THE CLAIMS:

Please cancel claims 1-19 in their entirety, and insert the following new claims in lieu thereof:

--20. A fluorinated polyurethane elastomer having FOX/THF segments and comprising a mixture of monomeric repeat units having the general formulae:



wherein:

- each n is independently selected and is a number from 1 to 3;
each R is independently selected from the group consisting of methyl and ethyl;
each R_f is independently selected from the group consisting of linear perfluorinated alkyls, linear perfluorinated isoalkyls, branched chain perfluorinated alkyls, branched perfluorinated isoalkyls, wherein said perfluorinated alkyls and perfluorinated isoalkyls have from 1 to about 20 carbon atoms, and oxa-perfluorinated polyethers having from about 4 to about 60 carbons;
x is about 10 to about 250;
z is 1 to about 250;
R₁ is a divalent hydrocarbyl radical; and
w is 1 to about 50.

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1 21. The fluorinated polyurethane elastomer in accordance with claim 20,
2 wherein said fluorinated polyurethane elastomer is a fluorinated thermoset polyurethane
3 elastomer.

1 22. The fluorinated polyurethane elastomer in accordance with claim 20,
2 wherein said fluorinated polyurethane elastomer is a fluorinated thermoplastic polyurethane
3 elastomer.

1 23. The fluorinated polyurethane elastomer in accordance with claim 20,
2 wherein said isocyanate segment is produced from a member selected from the group
3 consisting of hexamethylene diisocyanate (HDI), isophorone diisocyanate (IPDI), 4,4'-
4 methylene diphenyl-isocyanate (MDI), polymeric MDI, toluene diisocyanates, saturated MDI
5 (HMDI), polymeric HDI (N-100 and N-3200), trimethylhexane diisocyanate and mixtures of at
6 least two thereof.

1 24. The fluorinated polyurethane elastomer in accordance with claim 20,
2 further comprising a cross-linking agent or a chain-extender selected from the group consisting
3 of low molecular weight polyols and polyamines.

1 25. The fluorinated polyurethane elastomer in accordance with claim 24,
2 wherein said cross-linking agent is selected from the group consisting of trimethylolpropane,
3 pentaerythritol, Isonol 93, trimethylolethane, triethanolamine, Jeffamines, 1,4-butanediamine,
4 xylene diamine, diethylenetriamine, methylene dianiline and diethanolamine.

1 26. The fluorinated polyurethane elastomer in accordance with claim 24,
2 wherein said chain extender is a member selected from the group consisting of 1,4-butane diol;
3 1,3-propane diol; and benzene dimethanol.

1 27. The fluorinated polyurethane elastomer in accordance with claim 24,
2 wherein said chain extender is a member selected from the group consisting of 1,4-butane diol;
3 1,3-propane diol; and benzene dimethanol.

28. The fluorinated polyurethane elastomer in accordance with claim 20, wherein said fluorinated polyether segment is produced from at least one mono-substituted FOX monomer selected from the group consisting of 3-(2,2,2-trifluoroethoxymethyl)-3-methyloxetane; 3-(2,2,3,3,4,4,4-heptafluorobutoxymethyl)-3-methyloxetane; 3-(2,2,3,3,4,4,5,5,6,6,7,7,8,8, 8-pentadecafluorooctyloxymethyl)oxetane; 3,3-(3,3,4,4,5,5,6,6,7,7,8,8,8-trideca-fluorooctyloxymethyl)-3-methyloxetane; 3-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyloxymethyl)-3-methyloxetane; and 3-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyloxymethyl)-3-methyloxetane.--

IN THE ABSTRACT:

Please delete the "Abstract of the Disclosure" on page 110 and insert the following in lieu thereof: --

ABSTRACT OF THE DISCLOSURE

The present invention provides, *inter alia*, novel fluorinated polyurethane elastomers (e.g., fluorinated thermoset polyurethane elastomers and fluorinated thermoplastic elastomers) prepared from polyether prepolymers formed from mono-substituted fluorinated oxetane monomers (FOX monomers) and tetrahydrofuran (THF). In addition, the present invention provides methods of making such fluorinated polyurethane elastomers. --

REMARKS

With entry of this Preliminary Amendment, claims 20-28 are pending in the above-referenced patent application and are presented for examination. Support for claims 20-28 can be found in the specification and claims as originally filed and, thus, no new matter has been introduced.

Moreover, in order to expedite prosecution of the present case, Applicants have amended the specification to address the concerns raised by the Examiner in the parent case. Such amendments relate to formal matters and, thus, no new matter has been introduced. In